

Claims:

1. A method for feeding yarns to a textile machine, in particular for operating yarn feeders,

in which method, in a trial phase, the yarn feeders are operated in tension-regulated fashion, and the yarn speeds generated or the yarn quantities fed by the yarn feeders are detected;

and in which method, after the trial phase has elapsed, the yarn feeders are operated in regulated or random fashion on the basis of a specified speed or a specified yarn quantity which has been ascertained from the detected speeds or yarn quantities.

2. The method of claim 1, characterized in that in the trial phase, the yarn feeders are operated in accordance with matching set-point tensions.

3. The method of claim 1, characterized in that the yarn speeds or yarn quantities generated by the yarn feeders are delivered over a signal line to a central unit.

4. The method of claim 1, characterized in that the yarn speeds or yarn quantities are delivered as digital data to a central unit.

5. The method of claim 1, characterized in that the specified speed or specified quantity is ascertained from the yarn speeds or yarn quantities of all the yarn feeders of one group of yarn feeders.

6. The method of claim 1, characterized in that the specified speed or specified quantity is defined in

proportion to the machine speed of a loop-forming machine that is supplied with yarns.

7. The method of claim 1, characterized in that the specified speed or specified quantity of the yarn feeders is determined by forming an average of a plurality of yarn speeds or yarn quantities.

8. The method of claim 7, characterized in that the yarn speeds are subjected to weighting before or in the averaging operation.

9. The method of claim 1, characterized in that an error signal is generated if, in the trial mode, differences that exceed a specified value occur between individual yarn speeds or yarn quantities.

10. The method of claim 1, characterized in that an error signal is generated if, after the trial mode has elapsed, yarn tension differences that exceed a specified value occur.

11. The method of claim 1, characterized in that the specified speeds or machine-speed-related quantity data are forwarded as signals from a central unit to the yarn feeders and are stored in memory there.

12. The method of claim 1, characterized in that the specified speeds or machine-speed-related quantity data are forwarded as digital signals from a central unit to the yarn feeders and are stored in memory there.

13. A yarn feeder system (1) for feeding a plurality of yarns (4, 5, 6, 7, 15, 15a, 15b) to yarn-using stations,

having a plurality of yarn feeders (11, 12, 13, 14)

that form a group (8), and of which at least some have a yarn tension sensor (36), a drive motor (34) with a yarn feed wheel (33), a yarn tension regulator (38), and a yarn speed regulator (44);

having a central unit (31), which is connected to the yarn feeders (11, 12, 13, 14), in order to receive yarn speed signals or yarn quantity signals from them and send yarn speed specification signals or yarn quantity specification signals to them.

14. The yarn feeder system of claim 13, characterized in that the yarn tension regulator (38) and the yarn speed regulator (44) are activatable in alternation via a switch block (41).

15. The yarn feeder system of claim 13, characterized in that the central unit (31) has an arithmetic unit (49, 51), which from yarn speed signals received ascertains a yarn speed specification signal or a yarn quantity specification signal.

16. The yarn feeder system of claim 13, characterized in that the central unit (31) has an input (52) for a signal which characterizes the operating speed of the loop-forming machine (3).